

In The Claims

Please make the following amendments to Claims 2, 4, 8, 10 and 11 in order to correct typographical/translational errors made in translating into the English language, and to better format the claims for accepted US Patent practice.

A Clean set of the claims after amendment is attached hereto.

3. (AMENDED) The cell culture according to Claim 1 wherein the enzyme is NADPH cytochrome P450 reductase, ~~NADPH~~ cytochrome P450, flavin monooxygenase, epoxy hydratase, glucuroxyl transferase, sulfotransferase or glutathione S-transferase.
4. (AMENDED) The cell culture according to Claim 3 wherein the ~~NADPH~~ cytochrome P450 is CYP1A1, CYP1A2 or CYPA3.
8. (Amended) A screening method for a compound or a salt thereof 1) which inhibits or promotes an enzyme activity involved in the metabolism of xenobiotics in the liver or 2) which inhibits or promotes the expression of a gene encoding an enzyme involved in the metabolism of xenobiotics in the liver, said method characterized by the use of the cell culture according to Claim 1 in a screening assay comprising contacting said cell culture with a compound to be tested and detecting enzyme activity or gene expression in said cell culture.
10. (AMENDED) An analytical method for assaying (a) enzymes involved in the metabolism of xenobiotics and/or endogenous substrates, (b) metabolic pathways for xenobiotics and/or endogenous substrates, (c) chemical structures of metabolites of xenobiotics and/or endogenous substrates, (d) inhibition of enzymes which metabolize xenobiotics and/or endogenous substrates, (e) promotion of the activity of enzymes which metabolize xenobiotics and/or endogenous substrates, (f) cytotoxicity due to the metabolism xenobiotics and/or endogenous substrates, (g) genotoxicity due to the metabolism xenobiotics and/or endogenous substrates, (h) carcinogenicity due to the metabolism xenobiotics and/or endogenous substrates, (i) mutagenicity due to the metabolism xenobiotics and/or endogenous substrates, (j) hepatotoxicity due to the metabolism xenobiotics and/or endogenous substrates, or (k) hepatic action of xenobiotics and/or endogenous substrates, characterized by the use of the cell culture according

to Claim 1 in an assay comprising contacting said cell culture with a test subject, then assaying for the resultant effect on the cell culture.

11. (Amended) A method of preparing metabolites of xenobiotics and/or endogenous substrates, characterized by the use of the cell culture according to Claim 1 comprising maintaining said cell culture in the presence of xenobiotics and/or endogenous substrates for sufficient time under conditions suitable for the production of metabolites of said xenobiotics and/or endogenous substrates, and producing said metabolites.